INTRODUCTION

How to Use This Manual

This manual is divided into multiple sections. The first page of each section is marked with a black tab that lines up with its corresponding thumb index tab on this page and the back cover. You can quickly find the first page of each section without looking through a full table of contents. The symbols printed at the top corner of each page can also be used as a quick reference system.
Each section includes:

1. A table of contents, or an exploded view index showing:
   - Parts disassembly sequence.
   - Bolt torques and thread sizes.
   - Page references to descriptions in text.
2. Disassembly/assembly procedures and tools.
3. Inspection.
4. Testing/troubleshooting.
5. Repair.
6. Adjustments.

Safety Messages

Your safety, and the safety of others, is very important. To help you make informed decisions, we have provided safety messages, and other safety information throughout this manual. Of course, it is not practical or possible to warn you about all the hazards associated with servicing this vehicle. You must use your own good judgment.

You will find important safety information in a variety of forms including:

- **Safety Labels** — on the vehicle.
- **Safety Messages** — preceded by a safety alert symbol ⚠ and one of three signal words, DANGER, WARNING, or CAUTION. These signal words mean:

⚠ DANGER	You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.
⚠ WARNING	You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.
⚠ CAUTION	You CAN be HURT if you don't follow instructions.

- **Instructions** — how to service this vehicle correctly and safely.

All information contained in this manual is based on the latest product information available at the time of printing. We reserve the right to make changes at anytime without notice. No part of this publication may be reproduced, or stored in a retrieval system, or transmitted, in any form by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher. This includes text, figures, and tables.

As you read this manual, you will find information that is preceded by a NOTICE symbol. The purpose of this message is to help prevent damage to your vehicle, other property, or the environment.

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Specifications apply to Canada

HONDA MOTOR CO., LTD.
Service Publication Office

As sections with * include SRS components; special precautions are required when servicing.

General Information
Specifications
Maintenance
*Engine Electrical
Engine Mechanical
Engine Cooling
Fuel and Emissions
*Transaxle
*Steering
Suspension (Including TPMS)
Brakes (Including VSA)
*Body
*Heating, Ventilation, and Air Conditioning
*Body Electrical
*Audio, Navigation, and Telematics
*Restraints

General Information

Chassis and Paint Codes
- ’06 Model 1-2
- ’07 Model 1-3
- ’08 Model 1-4
- ’09 Model 1-5

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Under-hood Emission Control Label 1-9

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Chassis and Paint Codes

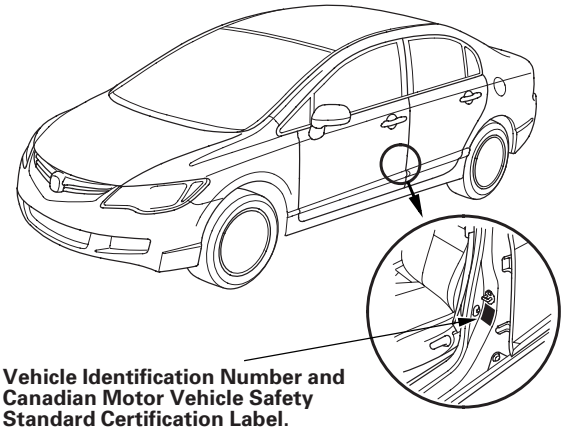
'06 Model

Vehicle Identification Number

2HH FD5 6 5 * 6 H 200001

a b c d e f g h

a. Manufacturer, Make and Type of Vehicle
2HH: Honda of Canada Mfg.,
Honda Canada Inc.
Acura passenger vehicle
b. Line, Body and Engine Type
FD5: Acura CSX/K20Z2
c. Body Type and Transmission Type
5: 4-door Sedan/5-speed Manual
6: 4-door Sedan/5-speed Automatic
d. Vehicle Grade (Series)
5: TOURING
7: PREMIUM
e. Check Digit
f. Model Year
6: '06
g. Factory Code
H: Alliston, Ontario Factory in Canada
h. Serial Number



Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification Label.

Engine Number

K20Z2 - 1300001

a b

a. Engine Type
K20Z2: 2.0 L DOHC i-VTEC Sequential Multiport Fuel-injected engine
b. Serial Number

Transmission Number

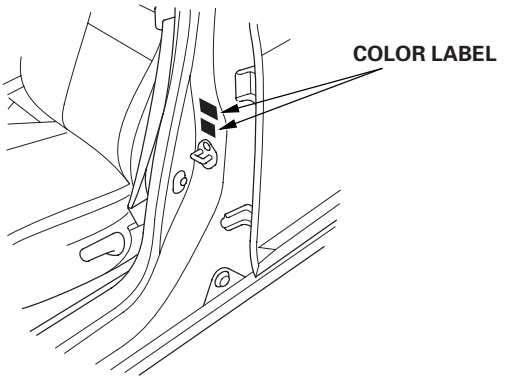
RPD6 - 1000001

a b

a. Transmission Type
RPD6: 5-speed Manual
MPMA: 5-speed Automatic
b. Serial Number

Paint Code

Code	Color
NH-578	Taffeta White
NH-700M	Alabaster Silver Metallic
NH-701M	Galaxy Gray Metallic
B-92P	Nighthawk Black Pearl
B-536P	Royal Blue Pearl
B-537M	Neutron Blue Metallic
YR-557P	Habanero Red Pearl



'07 Model

Vehicle Identification Number

2HH FD5 6 5 * 7 H 200001

a b c d e f g h

a. Manufacturer, Make and Type of Vehicle
2HH: Honda of Canada Mfg.,
Honda Canada Inc.
Acura passenger vehicle

b. Line, Body and Engine Type
FD5: Acura CSX/K20Z2, K20Z3

c. Body Type and Transmission Type
5: 4-door Sedan/5-speed Manual, 6-speed Manual
6: 4-door Sedan/5-speed Automatic

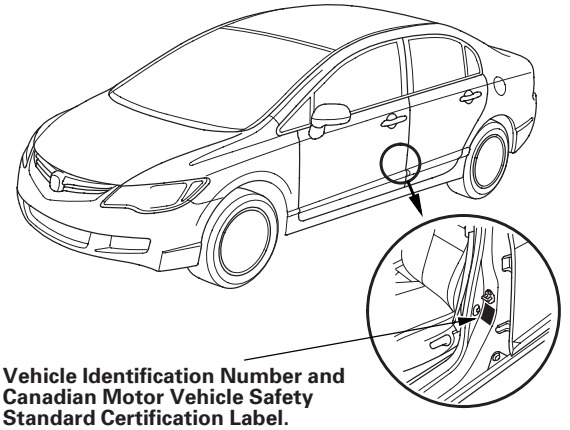
d. Vehicle Grade (Series)
5: TOURING
7: PREMIUM
9: TYPE S

e. Check Digit

f. Model Year
7: '07

g. Factory Code
H: Alliston, Ontario Factory in Canada

h. Serial Number
200001—: K20Z2 engine model
250001—: K20Z3 engine model



Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification Label.

Engine Number

K20Z2 - 2300001

a b

a. Engine Type
K20Z2: 2.0 L DOHC i-VTEC Sequential Multiport Fuel-injected engine
K20Z3: 2.0 L DOHC i-VTEC Sequential Multiport Fuel-injected engine

b. Serial Number
2300001—: K20Z2
2000001—: K20Z3

Transmission Number

RPD5 - 1500001

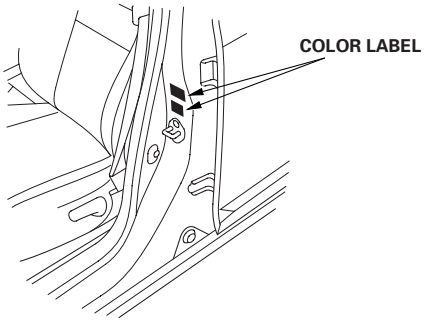
a b

a. Transmission Type
RPD5: 5-speed Manual
PNN3: 6-speed Manual
MPMA: 5-speed Automatic

b. Serial Number
1000001—: PNN3
1500001—: RPD5
2000001—: MPMA

Paint Code

Code	Color
NH-578	Taffeta White
NH-700M	Alabaster Silver Metallic
NH-701M	Galaxy Gray Metallic
B-92P	Nighthawk Black Pearl
B-529P	Fiji Blue Pearl
B-536P	Royal Blue Pearl
B-537M	Neutron Blue Metallic
YR-557P	Habanero Red Pearl



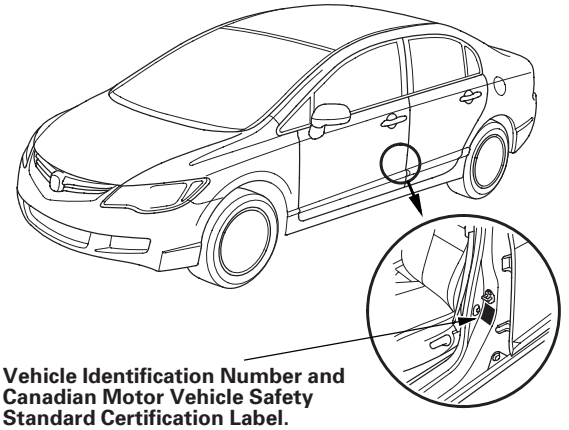
Chassis and Paint Codes (cont'd)

'08 Model

Vehicle Identification Number

2HH FD5 6 5 * 8 H 200001
a b c d e f g h

a. Manufacturer, Make and Type of Vehicle
2HH: Honda of Canada Mfg.,
Honda Canada Inc.
Acura passenger vehicle
b. Line, Body and Engine Type
FD5: Acura CSX/K20Z2, K20Z3
c. Body Type and Transmission Type
5: 4-door Sedan/5-speed Manual, 6-speed Manual
6: 4-door Sedan/5-speed Automatic
d. Vehicle Grade (Series)
5: CSX
7: PREMIUM
9: TYPE S
e. Check Digit
f. Model Year
8: '08
g. Factory Code
H: Alliston, Ontario Factory in Canada
h. Serial Number
200001—: K20Z2 engine model
250001—: K20Z3 engine model



Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification Label.

Engine Number

K20Z2 - 3300001
a b

a. Engine Type
K20Z2: 2.0 L DOHC i-VTEC Sequential Multiport Fuel-injected engine
K20Z3: 2.0 L DOHC i-VTEC Sequential Multiport Fuel-injected engine
b. Serial Number
3300001—: K20Z2
3000001—: K20Z3

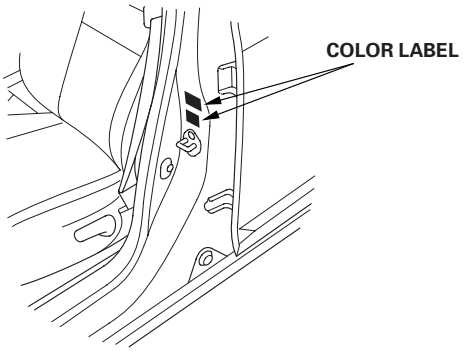
Transmission Number

RPD5 - 2500001
a b

a. Transmission Type
RPD5: 5-speed Manual
PNN3: 6-speed Manual
MPMA: 5-speed Automatic
b. Serial Number
2000001—: PNN3
2500001—: RPD5
3000001—: MPMA

Paint Code

Code	Color
NH-578	Taffeta White
NH-700M	Alabaster Silver Metallic
NH-701M	Galaxy Gray Metallic
B-92P	Nighthawk Black Pearl
B-529P	Fiji Blue Pearl
B-536P	Royal Blue Pearl
R-525P	New Red Pearl



’09 Model

Vehicle Identification Number

2HH FD5 6 5 * 9 H 200001

a b c d e f g h

a. Manufacturer, Make and Type of Vehicle
2HH: Honda of Canada Mfg.,
Honda Canada Inc.
Acura passenger vehicle

b. Line, Body and Engine Type
FD5: Acura CSX/K20Z2, K20Z3

c. Body Type and Transmission Type
5: 4-door Sedan/5-speed Manual, 6-speed Manual
6: 4-door Sedan/5-speed Automatic

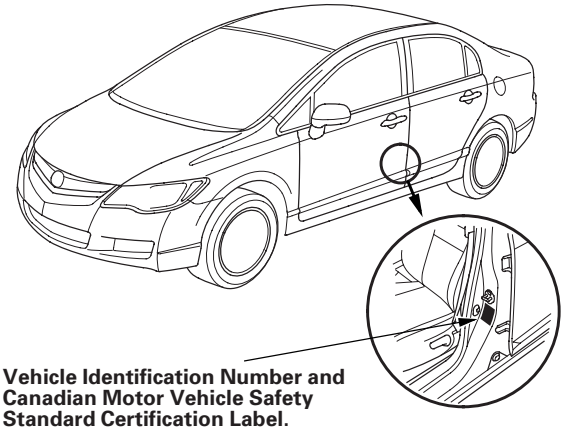
d. Vehicle Grade (Series)
5: CSX
7: TECH PKG
9: TYPE S

e. Check Digit

f. Model Year
9: ’09

g. Factory Code
H: Alliston, Ontario Factory in Canada

h. Serial Number
200001—: K20Z2 engine model
250001—: K20Z3 engine model



Vehicle Identification Number and Canadian Motor Vehicle Safety Standard Certification Label.

Engine Number

K20Z2 - 5300001

a b

a. Engine Type
K20Z2: 2.0 L DOHC i-VTEC Sequential Multiport Fuel-injected engine
K20Z3: 2.0 L DOHC i-VTEC Sequential Multiport Fuel-injected engine

b. Serial Number
5300001—: K20Z2
4000001—: K20Z3

Transmission Number

SPTM - 4000001

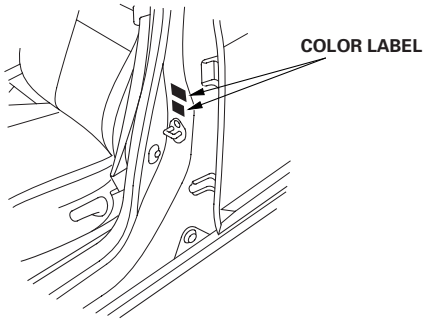
a b

a. Transmission Type
SPTM: 5-speed Manual
SPNM: 6-speed Manual
MPMA: 5-speed Automatic

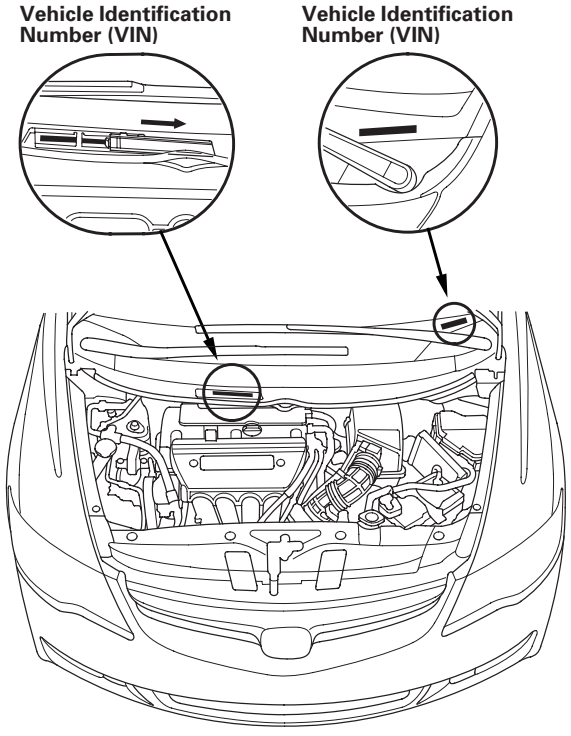
b. Serial Number
4000001—: SPTM
4000001—: SPNM
4000001—: MPMA

Paint Code

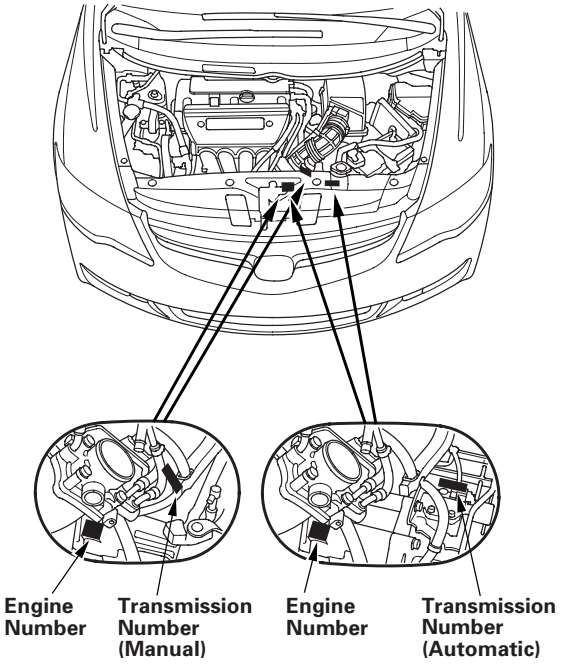
Code	Color
NH-578	Taffeta White
NH-700M	Alabaster Silver Metallic
NH-731P	Crystal Black Pearl
NH-737M	Polished Metal Metallic
B-561P	Dyno Blue Pearl
YR-578M	Urban Titanium Metallic
B-536P	Royal Blue Pearl
R-525P	New Red Pearl



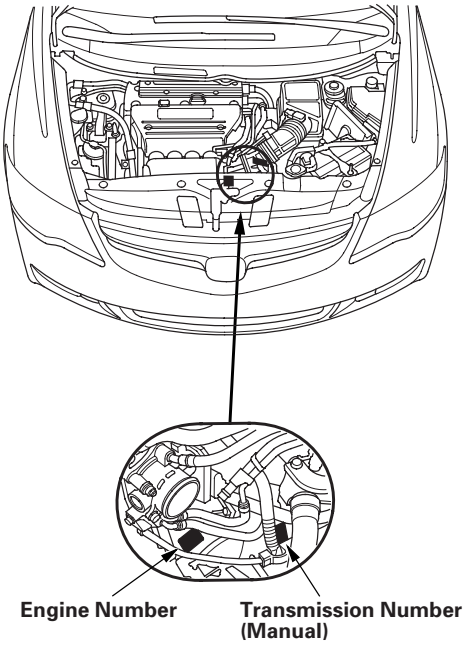
Identification Number Locations



K20Z2 engine Model:

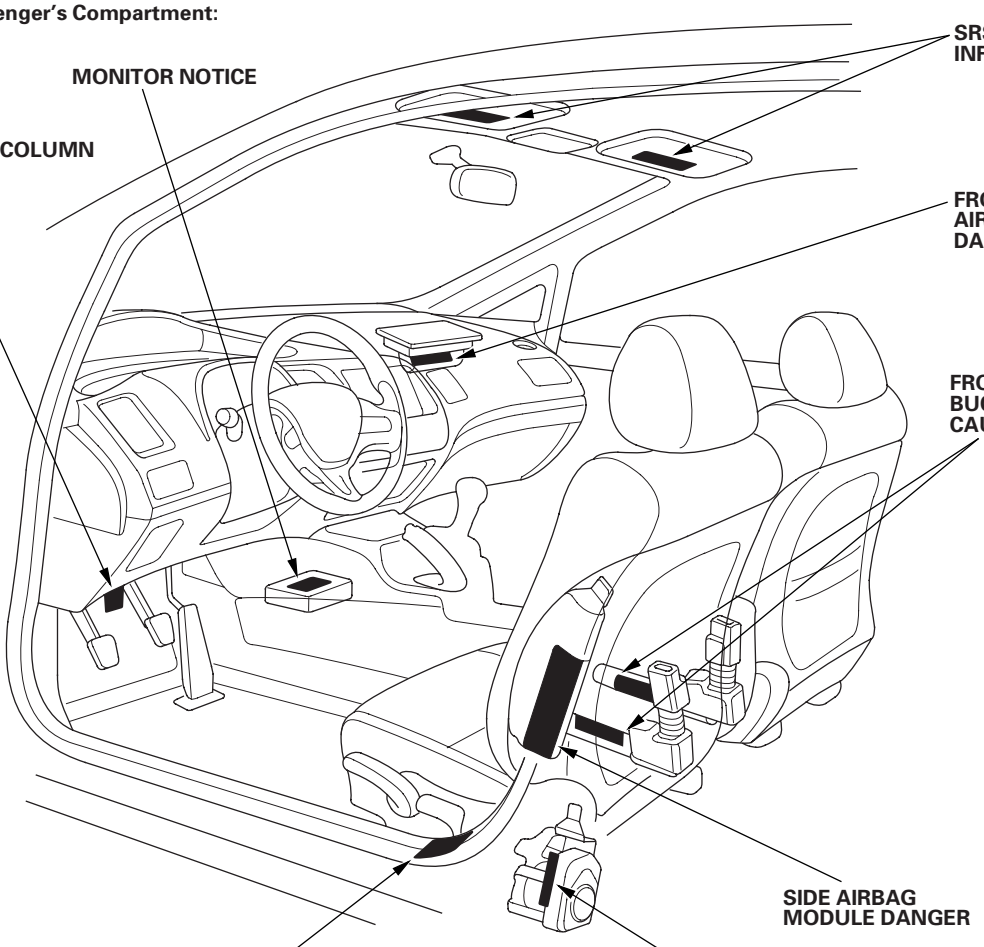


K20Z3 engine Model:

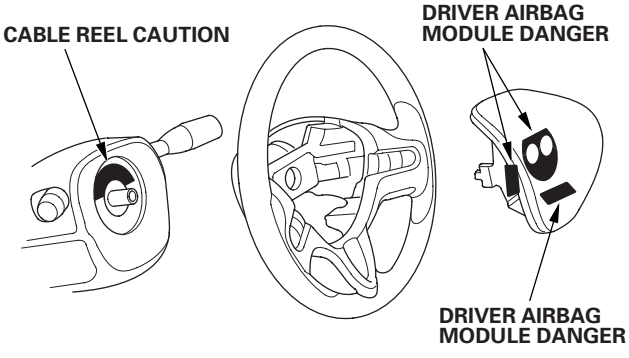


Danger/Warning/Caution Label Locations

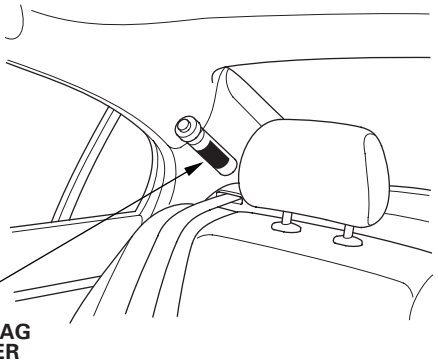
Front Passenger's Compartment:


SRS WARNING INFORMATION
MONITOR NOTICE
STEERING COLUMN NOTICE
FRONT PASSENGER AIRBAG MODULE DANGER
FRONT SEAT BELT BUCKLE TENSIONER CAUTION
SIDE AIRBAG MODULE DANGER
SIDE AIRBAG CAUTION
Located on driver's and passenger's doorjamb
FRONT SEAT BELT TENSIONER CAUTION

Steering Wheel:

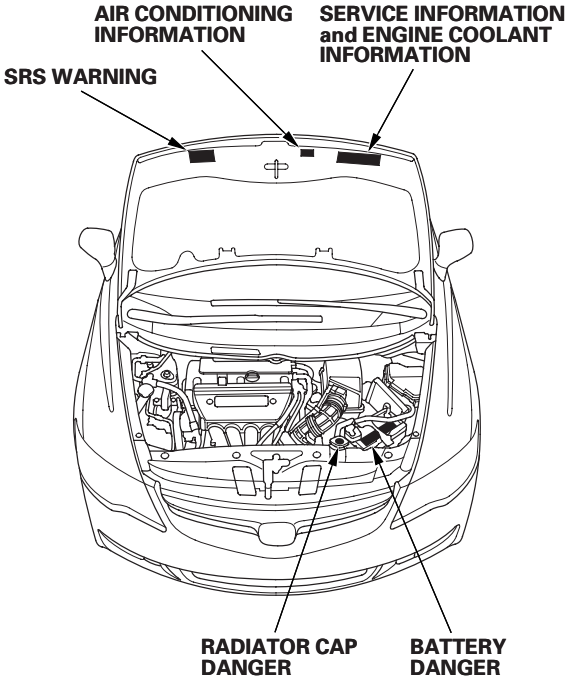


Rear Passenger's Compartment:

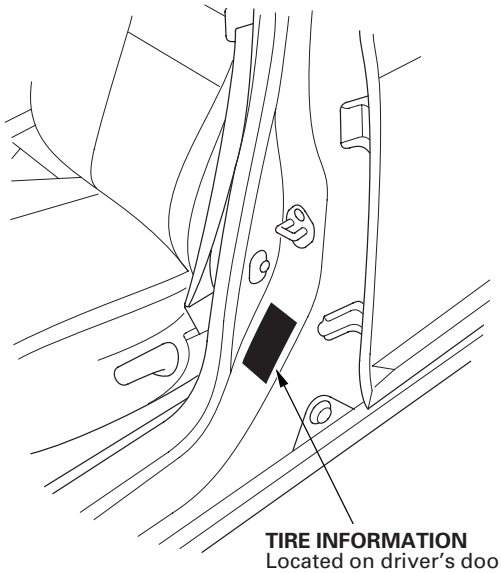


(cont'd)

Danger/Warning/Caution Label Locations (cont'd)



Doorjamb Area



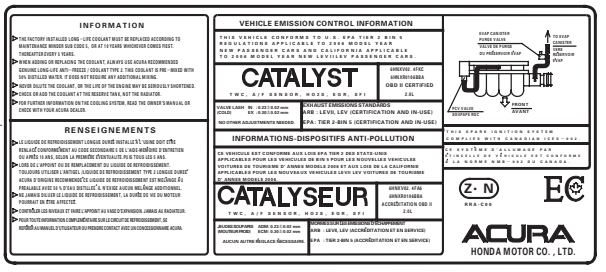
Under-hood Emission Control Label

Emission Group Identification

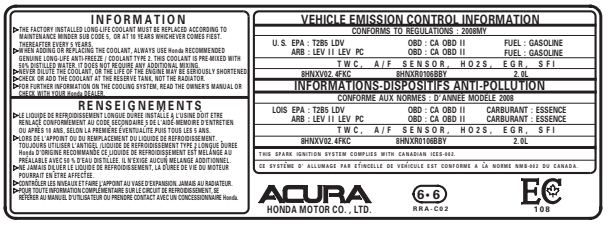
K20Z2 engine Model:

Example:

'06-07 Models



'08-09 Models



'06 Model
THIS VEHICLE CONFORMS TO U.S. EPA TIER 2 BIN 5 REGULATIONS APPLICABLE TO 2006 MODEL YEAR NEW PASSENGER CARS AND CALIFORNIA REGULATIONS APPLICABLE TO 2006 MODEL YEAR NEW LEV II LEV PASSENGER CARS.

'07 Model
THIS VEHICLE CONFORMS TO U.S. EPA TIER 2 BIN 5 REGULATIONS APPLICABLE TO 2007 MODEL YEAR NEW PASSENGER CARS AND CALIFORNIA REGULATIONS APPLICABLE TO 2007 MODEL YEAR NEW LEV II LEV PASSENGER CARS.

'08 Model
CONFORMS TO REGULATIONS: 2008 MY

'09 Model
CONFORMS TO REGULATIONS: 2009 MY

Test Group and Evaporative Family

Test Group:

9 HNX V 02.0 VA9
a b c d e

- **a. Model Year**
  6: '06
  7: '07
  8: '08
  9: '09
- **b. Manufacturer Subcode**
  HNX: HONDA
- **c. Family Type**
  V: LDV
- **d. Displacement Group**
- **e. Sequence Characters**
  FKC: '06 model, '08 model
  HKC: '07 model
  VA9: '09 model

Evaporative Family:

9 HNX R 0106 VEA
a b c d e

- **a. Model Year**
  6: '06
  7: '07
  8: '08
  9: '09
- **b. Manufacturer Subcode**
  HNX: HONDA
- **c. Family Type**
  R: EVAP/ORVR
- **d. Canister Working Capacity Group**
- **e. Sequence Characters**
  BBA: '06 model
  BBY: '07 model, '08 model
  VEA: '09 model

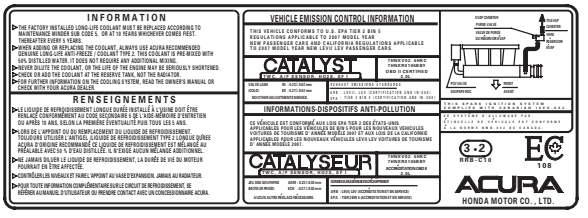
Under-hood Emission Control Label (cont'd)

Emission Group Identification

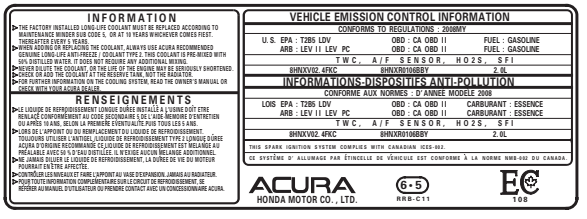
K20Z3 engine Model:

Example:

'07 Model



'08-09 Models



'07 Model
THIS VEHICLE CONFORMS TO U.S. EPA TIER 2 BIN 5 REGULATIONS APPLICABLE TO 2007 MODEL YEAR NEW PASSENGER CARS AND CALIFORNIA REGULATIONS APPLICABLE TO 2007 MODEL YEAR NEW LEV II LEV PASSENGER CARS.

'08 Model
CONFORMS TO REGULATIONS: 2008 MY

'09 Model
CONFORMS TO REGULATIONS: 2009 MY

Test Group and Evaporative Family

Test Group:

9 HNX V 02.0 VA9
a b c d e

- **a. Model Year**
  7: '07
  8: '08
  9: '09
- **b. Manufacturer Subcode**
  HNX: HONDA
- **c. Family Type**
  V: LDV
- **d. Displacement Group**
- **e. Sequence Characters**
  HKC: '07 model
  FKC: '08 model
  VA9: '09 model

Evaporative Family:

9 HNX R 0106 VEA
a b c d e

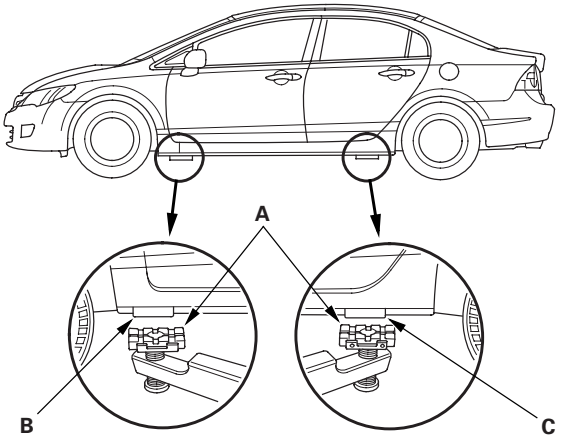
- **a. Model Year**
  7: '07
  8: '08
  9: '09
- **b. Manufacturer Subcode**
  HNX: HONDA
- **c. Family Type**
  R: EVAP/ORVR
- **d. Canister Working Capacity Group**
- **e. Sequence Characters**
  BBY: '07 model, '08 model
  VEA: '09 model

Lift and Support Points

NOTE: If you are going to remove heavy components such as suspension or the fuel tank from the rear of the vehicle, first support the front of the vehicle with tall safety stands. When substantial weight is removed from the rear of the vehicle, the center of gravity can change, causing the vehicle to tip forward on the lift.

Vehicle Lift

1. Position the lift blocks (A) under the vehicle's front support points (B) and rear support points (C).



2. Raise the lift a few inches, and rock the vehicle gently to be sure it is firmly supported.

3. Raise the lift to its full height, and inspect the vehicle support points for solid contact with the lift blocks.

Safety Stands

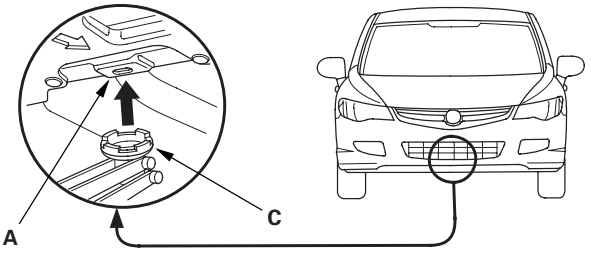
To support the vehicle on safety stands, use the same support points as for a vehicle lift. Always use safety stands when working on or under any vehicle that is supported only by a jack.

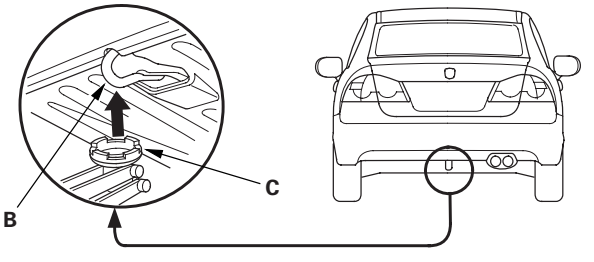
Floor Jack

1. When lifting the front of the vehicle, set the parking brake. When lifting the rear of the vehicle, put the shift lever in reverse for manual transmission, or in P for automatic transmission.

2. Block the wheels that are not being lifted.

3. Position the floor jack under the front jacking bracket (A) or the rear jacking bracket (B). Center the jacking bracket on the jack lift platform (C), and jack up the vehicle high enough to fit the safety stands under it.





4. Position the safety stands under the support points, and adjust them so the vehicle is level.

5. Lower the vehicle onto the stands.

Towing

If the vehicle needs to be towed, call a professional towing service. Never tow the vehicle behind another vehicle with a rope or chain. It is very dangerous.

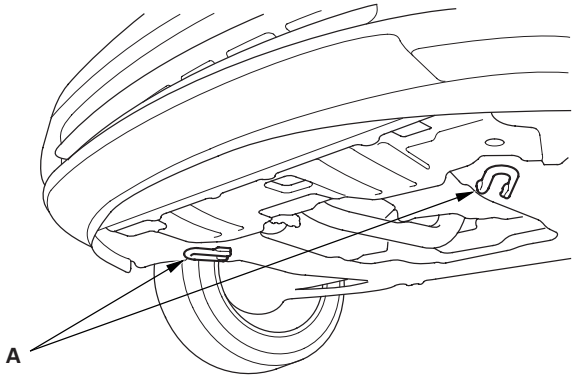
Emergency Towing
There are three popular methods of towing a vehicle.

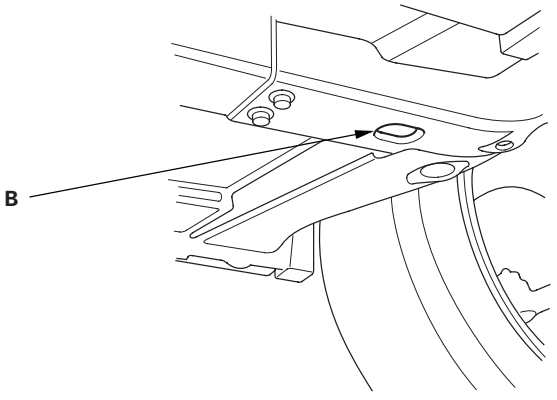
Flat-bed Equipment — The operator loads the vehicle on the back of a truck. **This is the best way of transporting the vehicle.**

To accommodate flat-bed equipment, the vehicle is equipped with front towing hooks (A), front tie down hook slots (B), rear towing hook (C), and rear tie down hook slots (D).

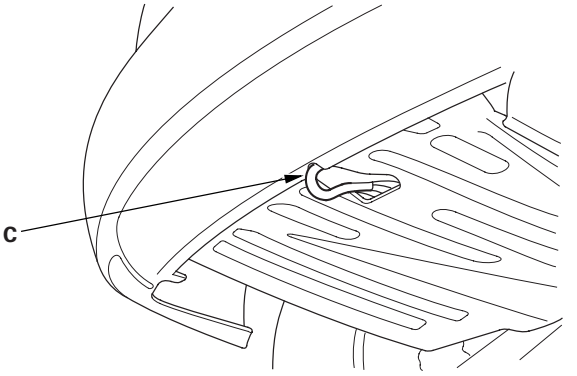
The rear towing hook can be used with a winch to pull the vehicle onto the truck, and the tie down hook slots can be used to secure the vehicle to the truck.

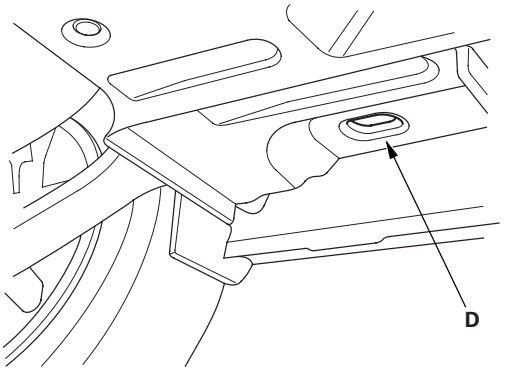
Front:





Rear:





Wheel Lift Equipment — The tow truck uses two pivoting arms that go under the tires (front or rear) and lift them off the ground. The other two wheels remain on the ground. **This is an acceptable way of towing the vehicle.**

Sling-type Equipment — The tow truck uses metal cables with hooks on the ends. These hooks go around parts of the frame or the suspension, and the cables lift that end of the vehicle off the ground. The vehicle's suspension and body can be seriously damaged if this method of towing is attempted. **This method of towing the vehicle is unacceptable.**

If the vehicle cannot be transported by a flat-bed, it should be towed with the front wheels off the ground. If the vehicle is damaged, and must be towed with the front wheels on the ground, or with all four wheels on the ground, do this:

Manual Transmission
- Release the parking brake.
- Shift the transmission to neutral.
- Leave the ignition switch in ACCESSORY (I) so the steering wheel does not lock.
- Make sure all accessories are turned off to minimize current battery draw.

Automatic Transmission
- Release the parking brake.
- Start the engine.
- Shift to D, then to N.
- Turn off the engine.
- Leave the ignition switch in ACCESSORY (I) so the steering wheel does not lock.
- Make sure all accessories are turned off to minimize current battery draw.

It is best to tow the vehicle no farther than 80 km (50 miles), and keep the speed below 55 km/h (35 mph).

NOTICE
- Improper towing preparation will damage the transmission. Follow the above procedure exactly. If you cannot shift the transmission or start the engine (automatic transmission), the vehicle must be transported on a flat-bed.
- Trying to lift or tow the vehicle by the bumpers will cause serious damage. The bumpers are not designed to support the vehicle's weight.

Parts Marking

To deter vehicle theft, certain major components are marked with the vehicle identification number (VIN). Original parts have self-adhesive labels. Replacement body parts have generic self-adhesive labels. These labels should not be removed. The original engine or transmission VIN plates are not transferable to the replacement engine or transmission.

NOTE: Be careful not to damage the parts marking labels during body repair. Mask the labels before repairing the part.

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